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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

03/11/2004

PILLSBURY WINTHROP LLP 1600 TYSONS BOULEVARD MCLEAN, VA 22102 EXAMINER

NGUYEN, VINH P

ART UNIT PAPER NUMBER

2829

DATE MAILED: 03/11/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/753,607	01/04/2001	Ikuo Matsunaga	PM 276536	1543

TITLE OF INVENTION: ELECTRONIC INSPECTION OF AN ARRAY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	ovisional NO \$1330		\$300	\$1630	06/11/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block I, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

03/11/2004

PILLSBURY WINTHROP LLP 1600 TYSONS BOULEVARD MCLEAN, VA 22102

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name (Signature) (Date)

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nonprovisional	NO	\$1330			\$1630	06/11/2004
EXAMINER		ART UNIT		CLASS-SUBCLASS	7	
NGUYEN, VINH P		2829		324-770000		
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			names of agents OR firm (havin agent) and	ting on the patent front page up to 3 registered patent, alternatively, (2) the name ag as a member a registered the names of up to 2 registor or agents. If no name is listented.	attorneys or 1 of a single attorney or 2 stered patent	

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY)

(A) NAME OF ASSIGNEE

Please check the appropriate assignee category or categor	ies (will not be printed on the patent);	☐ individual	Corporation or other private group entity	☐ government
a. The following fee(s) are enclosed:	4b. Payment of Fee(s):	·.		
☐ Issue Fee	☐ A check in the amo	unt of the fee(s)	is enclosed.	
☐ Publication Fee	☐ Payment by credit card. Form PTO-2038 is attached.			
☐ Advance Order - # of Copies ☐ The Director is hereby authorized by charge the required fee(s), or credit any overposit Account Number (enclose an extra copy of this form)				
Director for Patents is requested to apply the Issue Fee an				

(Authorized Signature)

(Date)

NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents. Alexandria, Virginia 22313-1450. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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759	90 03/11/2004		EXAM	INER	
PILLSBURY WII			NGUYEN, VINH P		
MCLEAN, VA 221			ART UNIT	PAPER NUMBER	
			2829		
			DATE MAILED, 02/11/2004		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 271 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 271 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

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Notice of Allowability	09/753,607 Examiner	MATSUNAGA ET A	
,	LAMITHE	Art Olit	
	VINH P NGUYEN	2829	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS In the nerewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED in 5) or other appropriate commu RIGHTS. This application is so	this application. If not include nication will be mailed in due	ed course. THIS
1. X This communication is responsive to the amendment file	ed on 09/26/2003.	•	
2. X The allowed claim(s) is/are 1-3 and 6-8.			
B. The drawings filed on are accepted by the Examir	ner.		
 Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 	under 35 U.S.C. § 119(a)-(d) o	or (f).	
1. Certified copies of the priority documents ha	ve been received.	•	
2. Certified copies of the priority documents ha		n No	
3. Copies of the certified copies of the priority of	locuments have been received	in this national stage applicat	tion from the
International Bureau (PCT Rule 17.2(a)).		Ţ .,	
* Certified copies not received:			
 Acknowledgment is made of a claim for domestic priority reference was included in the first sentence of the specific 	under 35 U.S.C. § 119(e) (to a cation or in an Application Date	a provisional application) since a Sheet. 37 CFR 1.78.	e a specific
(a) The translation of the foreign language provisional	application has been received	l.	
 Acknowledgment is made of a claim for domestic priority in the first sentence of the specification or in an Application 		r 121 since a specific referenc	ce was included
Applicant has THREE MONTHS FROM THE "MAILING DATE" pelow. Failure to timely comply will result in ABANDONMENT of			
 A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which gi 			OTICE OF
 CORRECTED DRAWINGS (as "replacement sheets") m (a) ☐ including changes required by the Notice of Draftspe 		(PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No			
(b) ☐ including changes required by the proposed drawing Examiner.	correction filed 26 Septembe	<u>r 2003,</u> which has been appro	oved by the
(c) 🔲 including changes required by the attached Examine	er's Amendment / Comment or	in the Office action of Paper N	No
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			back) of
DEPOSIT OF and/or INFORMATION about the department of the departm			Note the
Attachment(s)		·	·
☐ Notice of References Cited (PTO-892)	5☐ Notice of Info	rmal Patent Application (PTO-	-152)
2☐ Notice of Draftperson's Patent Drawing Review (PŢO-948)	6⊠ Interview Sun	nmary (PTO-413), Paper No. <u>(</u>	<u>)104</u> .
B Information Disclosure Statements (PTO-1449 or PTO/SB/	⁰⁸), 7⊠ Examiner's A	mendment/Comment	
Paper No Examiner's Comment Regarding Requirement for Deposit	8□ Examiner's S	tatement of Reasons for Allow	/ance
of Biological Material	9☐ Other .		
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Application/Control Number: 09/753,607

Art Unit: 2829

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In claim 6,

' line 2, after "wherein", --said signal inputs into said plurality of connection pads are inputted from an external drive circuit that -- has been inserted;

line 6, before "said selection circuit", -- wherein-- has been inserted.

Non-elected claims 4-5 and 9-16 have been canceled since they are related to non-elected claims without traverse.

Authorization for this examiner's amendment was given in a telephone interview with Ms. McCathy on 01/23/04.

2. The following is an examiner's statement of reasons for allowance: the prior art failed to disclose a method for inspecting an array substrate using a selection circuit having at least a switch that distributes signals inputted from each of the connection pads to at least one signal line of a signal line group including a plurality of signal lines sequentially incorporating steps of writing signals into a first signal line in a first signal line selection period in which said switch selects said first signal line from the signal line group; reading signals from a second signal line in a second signal line selection period in which

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Art Unit: 2829

Page 3

said switch selects said second signal line from said signal line group; and

inspecting a short circuit between said first signal line and said second signal line based upon the

read signals.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

VINH P. NGUYEN

PRIMARY EXAMINER

ART UNIT 2829

01/23/04